LIMITATIONS OF THE HAZUS-MH 2.0 SOFTWARE

Installation

IMPORTANT*: Read the installation instructions document that comes with the Hazus 2.0 software before attempting to perform an install.*

- Hazus-MH 2.0 is certified to run on ArcGIS 10 SP1, which is available from the ESRI website. A user is allowed to install Hazus-MH 2.0 on other versions of ArcGIS (including ArcGIS 10 SP2 that was released too late to be certified with Hazus-MH 2.0), but Hazus-MH 2.0 is not certified to work flawlessly with those versions.
- Hazus-MH 2.0 is certified to run on Windows XP SP3 and Windows 7 (Enterprise or Professional). A user is allowed to install Hazus-MH 2.0 on other service packs/editions, but because Hazus-MH 2.0 has not been certified to work with other service packs/editions, there is a higher chance of encountering issues. Contact Hazus Technical Support for additional assistance.
- Hazus-MH 2.0 supports only the 32-bit editions of Windows XP or Windows 7. 64-bit support is planned for the next release.
- Hazus-MH 2.0 must be uninstalled only with the windows Add/Remove Programs utility. For details on uninstalling, please consult **Error! Reference source not found.** in this Manual.

Study Region Size

- The database management system of Hazus-MH 2.0 is SQL 2005 Express SP3. This system has a size limit of 4 GB per database; which limits the size of the region that can be created to about 3,000 census tracts, equivalent to an area with a population of about 9 million. For a multi-hazard study region that includes data for all three hazards, the 4 GB limit will permit an even smaller study region. To work around this, the full version of Microsoft SQL Server 2005 (Workgroup, Standard, or Enterprise) must be used (see Appendix N in the user manuals).
- To maximize the size of the study region that may be analyzed, set the virtual memory size from a minimum of 2048 MB to a maximum of 4096 MB. For the earthquake model, the virtual memory size may be increased from a minimum of 1024 MB to a maximum of 2048 MB for optimal operation. Here are the steps for setting the virtual memory size in Windows XP.

    1- Click on Start | Settings | Control Panel | System

    2- Click on the Advanced Tab

    3- Click on the Settings button under the Performance group

    4- Click on the Advanced tab- Click the Change button under Virtual Memory

6- Replace the initial and maximum values

7- Click Set then OK three times to exit to the main screen.

Under Windows 7, it is recommended to leave the setting 'Automatically manage paging size file for all drive' as is. To view/edit the settings, do the following:

1- Click on Start and right-click 'My Computer'. Select 'Properties'

2- Click 'Advanced system Settings' (on the left panel bar)

3- Click 'Settings' under 'Performance.

4- Click 'Advanced' tab.

5- Click 'Change…' button under Virtual memory

6- Uncheck the 'Automatically manage paging file size for all drives'

7- Select 'Custom size' option and replace the initial and maximum values

8- Click Set then OK four times to exit to the main screen. Windows 7 needs to reboot for the changes to take effect.

Capabilities

- Transferring data, including importing study regions, from Hazus99, Hazus-MH and Hazus MR1 to Hazus-MH MR3 to Hazus-MH 2.0 will require the assistance of technical support.
- Inventory data and subsequently the Level 1 analysis functionality are unavailable for the US held territories, but are available for Puerto Rico.
- Components of independently developed data sets in the default inventory data might not line up on maps, for example, the placement of bridges and roads, and facilities. This situation can be addressed by updating the default inventory data with user supplied data.
- Rapid loss estimates for large study regions of 1000-2000 census tracts might require 0.5 to 1.5 hours analysis time.
- When analyzing certain study regions, Hazus can run out of memory and fail during coastal floodplain delineation due to the complexity of the region and event. Examples include, but are not limited to St. Bernard Parish, LA and Miami-Dade, County FL. If an error like this is encountered, a recommended work-around is to divide the region into smaller geographies like a tract.

Technical Support

Technical assistance is available via the Hazus Help Desk at for https://support.hazus.us. If you do not yet have login credentials for https://support.hazus.us please send an e-mail to helpdesk@support.hazus.us to gain access. The Help Desk is available 24/7. Users can also call the technical hotline at 1-877-283-8789 as an alternative means of support.